United States Environmental Protection Agency Region 7 300 Minnesota Avenue Kansas City, KS 66101

Date: 05/06/2021

Subject: Transmittal of Sample Analysis Results for ASR #: 8868

Project ID: MS078D00

Project Description: Rose, Martha Chemical CO

From: Margaret E.W. St. Germain, Chief

Laboratory Technology & Analysis Branch

Laboratory Services and Applied Sciences Division ST. GERMAIN Date: 2021.05.06

Laboratory Services and Applied Sciences Division ST. GERMAIN Date: 2021.05.06

MARGARET

Digitally signed by MARGARET ST. GERMAIN

To: Manuel Schmaedick

SEMD/AERR

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. These results are based on samples as received at the Science and Technology Center. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please ensure that you file this electronic (.pdf only) transmittal in your records management system. The Regional Laboratory will now retain all of the original hardcopy documentation (e.g. COC[s] and the R7LIMS field sheet[s], etc.) according to our LSASD records management system.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the Online ASR Sample/Data Disposition and Customer Survey for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Online ASR Sample/Data Disposition and Customer Survey. It is critical that we receive your response in accordance to RCRA and the laboratory accreditation.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Summary of Project Information

05/06/2021

Project Manager: Manuel Schmaedick Org: SEMD/AERR Phone: 913-551-7449

Project ID: MS078D00 QAPP Number: 2020268

Project Desc: Rose, Martha Chemical CO

ASR Number: 8868

Location: Holden State: Missouri Program: Superfund

Site Name: ROSE, MARTHA CHEMICAL CO - SITE Site ID: 078D Site OU: 00

EVALUATION/DISPOSITION GPRA PRC: 000DC6

Purpose: Site Cleanup Support

Vapor Intrusion removal assessment sampling.

PM (MS) noted on the submitted ASR dated 3/29/2021 that this ASR is not part of a

litigation hold activity at this time.

GPRA/site code check OK per JE on 3/29/2021.

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose. **Units:** Specific units in which results are reported.

__ = Field Sample ug/m3 = Micrograms per Cubic Meter

I.D. = Identification, Species or Other

ID

inHg = Inch of Mercury

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

U = The analyte was not detected at or above the reporting limit.

J = The identification of the analyte is acceptable; the reported value is an estimate.

ASR Number: 8868

Sample Information Summary

05/06/2021

Project ID: MS078D00

Project Desc: Rose, Martha Chemical CO

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -		Air	507		04/26/2021	15:50	04/27/2021	15:05	04/30/2021
2 -		Air	501CS		04/26/2021	16:10	04/27/2021	15:20	04/30/2021
3 -		Air	500IA		04/26/2021	16:35	04/27/2021	15:45	04/30/2021
4 -		Air	406IA		04/27/2021	10:41	04/27/2021	15:20	04/30/2021
5 -		Air	406SS		04/27/2021	10:40	04/27/2021	15:25	04/30/2021
6 -		Air	505CS		04/27/2021	11:35	04/28/2021	10:05	04/30/2021
7 -		Air	201		04/27/2021	13:15	04/28/2021	11:48	04/30/2021
8 -		Air	603IA		04/28/2021	08:23	04/28/2021	15:00	04/30/2021
9 -		Air	603SS		04/28/2021	08:24	04/28/2021	15:10	04/30/2021
10 -		Air	403SS		04/28/2021	11:29	04/28/2021	17:32	04/30/2021
11 -		Air	403IA		04/28/2021	11:29	04/28/2021	17:30	04/30/2021
12 -		Air	106		04/28/2021	11:05	04/28/2021	16:10	04/30/2021
13 -		Air	807IA		04/28/2021	12:32	04/29/2021	09:10	04/30/2021
14 -		Air	807SS		04/28/2021	12:32	04/29/2021	09:10	04/30/2021
15 -		Air	500BMT		04/27/2021	16:00	04/28/2021	14:52	04/30/2021

ASR Number: 8868

RLAB Approved Analysis Comments

Project ID: MS078D00 Project Desc Rose, Martha Chemical CO

Analysis Comments About Results For This Analysis

1 Air VOA Field Parameters

Lab: (Field Measurement)

Method: Measurement of field parameter

Samples: 1-__ 2-__ 3-__ 4-__

s: 1-__ 2-__ 3-__ 4-__ 5-__ 6-__ 7-__ 8-__ 9-_ 10-_ 11-_ 12-_ 13-_ 14-_ 15-

Comments:

(N/A)

1 VOCs in Air Samples in Canisters at Ambient Levels by GC/MS

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3230.4I

 Samples:
 1-___
 2-___
 3-___
 4-___
 5-___
 6-___
 7-___

 8-__
 9-__
 10-___
 11-___
 12-___
 13-___
 14-___

15-__

Comments:

Trichloroethene (119%, limit is 118%) was J-coded in samples 8, 13, and 14. Although the analyte in question has been positively identified in the samples, the quantitation is an estimate (J-coded) due to high recovery of this analyte in the laboratory control sample. The actual concentration for this analyte may be lower than the reported value.

Dilutions were necessary due to insufficient sample volume collected in samples 4, 5, and 13 for this analysis. This increased the reporting limits by a factor of 10x for these samples. An initial attempt was made to analyze a full 500cc aliquot of these samples; however, the preconcentrator could not pull enough sample to continue with the analysis. Re-analysis of 1/10x dilutions were able to be processed and were reported with elevated reporting limits for these samples.

05/06/2021

Analysis/ Analyte	Units	1	2	3	4
1 Air VOA Field Parameters					
Canister ID	I.D.	808	678	692	691
Regulator ID	I.D.	062	097	049	161
Starting Pressure	inHg	-30	-28	-29	-26
Ending Pressure	inHg	-5	0	-5	-10
1 VOCs in Air Samples in Canisters at Ambient I	evels by GC/MS				
1,1-Dichloroethane	ug/m3	0.82 U	0.82 U	0.82 U	8.2 U
1,1-Dichloroethene	ug/m3	0.36	0.20 U	0.20 U	2.0 U
Tetrachloroethene	ug/m3	0.34 U	0.34 U	0.34 U	3.4 U
1,1,1-Trichloroethane	ug/m3	1.1 U	1.1 U	1.1 U	11 U
Trichloroethene	ug/m3	0.14 U	0.14 U	0.14 U	1.4 U
Vinyl Chloride	ug/m3	0.13 U	0.13 U	0.13 U	1.3 U

Analysis/ Analyte	Units	5	6	7	8
1 Air VOA Field Parameters					
Canister ID	I.D.	689	829	710	694
Regulator ID	I.D.	159	047	048	152
Starting Pressure	inHg	-28	-29	-29	-28
Ending Pressure	inHg	-15	-6	-5	-5
1 VOCs in Air Samples in Canisters at Ambie	ent Levels by GC	/MS			
1,1-Dichloroethane	ug/m3	8.2 U	0.82 U	0.82 U	0.82 U
1,1-Dichloroethene	ug/m3	2.0 U	0.20 U	0.20 U	0.20 U
Tetrachloroethene	ug/m3	3.4 U	0.34 U	0.34 U	0.36
1,1,1-Trichloroethane	ug/m3	11 U	1.1 U	1.1 U	2.4
Trichloroethene	ug/m3	1.4 U	0.14 U	0.14 U	0.14 J
Vinyl Chloride	ug/m3	1.3 U	0.13 U	0.13 U	0.13 U

Analysis/ Analyte	Units	9	10	11	12
1 Air VOA Field Parameters					
Canister ID	I.D.	813	611	643	640
Regulator ID	I.D.	139	136	160	082
Starting Pressure	inHg	-29	-27	-29	-31
Ending Pressure	inHg	-6	-9	-8	-11
1 VOCs in Air Samples in Canisters at Ambient	t Levels by GC/N	15			
1,1-Dichloroethane	ug/m3	0.82 U	0.82 U	0.82 U	0.82 U
1,1-Dichloroethene	ug/m3	0.20 U	0.20 U	0.20 U	0.20 U
Tetrachloroethene	ug/m3	0.34 U	0.34 U	0.34 U	2.5
1,1,1-Trichloroethane	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
Vinyl Chloride	ug/m3	0.13 U	0.13 U	0.13 U	0.13 U

Analysis/ Analyte	Units	13	14	15
1 Air VOA Field Parameters				
Canister ID	I.D.	733	709	819
Regulator ID	I.D.	087	088	042
Starting Pressure	inHg	-29	-26	-29
Ending Pressure	inHg	0	0	-5
1 VOCs in Air Samples in Canisters at Ambie	nt Levels by GC,	/MS		
1,1-Dichloroethane	ug/m3	8.2 U	0.82 U	0.82 U
1,1-Dichloroethene	ug/m3	2.0 U	0.20 U	0.20 U
Tetrachloroethene	ug/m3	18	0.80	0.34 U
1,1,1-Trichloroethane	ug/m3	11 U	1.1 U	1.1 U
Trichloroethene	ug/m3	3.0 J	0.20 J	0.14 U
Vinyl Chloride	ug/m3	1.3 U	0.13 U	0.13 U

CHAIN OF CUSTODY RECORD

EPA PROJECT MANAGE Manuel Schmae			SITE OR S	NTAL PROT SAMPLING EVE a Rose Ch	ENT	NCY	RE	<u>GIO</u>	N VII	DATE OF SAM	PLE COLLECTION(8) 26-29 2021 DAY YEAR	SHEET 1	
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8868-13		1		Ì	İ	H	Ì		1	Regula	tor dial broken,	estimate press.	
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